

Cole McIntosh

Engineer & Founder, Mellow AI

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ABOUT

Full-stack engineer who builds the internal tools a company would otherwise buy — backend, data, front end, and the deploy. Agent systems that run daily operations, with the evals and monitoring to keep them unattended: 60% less manual effort in ops, 30% faster ticket resolution. Python and TypeScript, hands-on in Salesforce, Linear, and Jira. Author of LangChain's Salesforce integration and 50+ merged PRs on LiteLLM.

EXPERIENCE

Founder · Mellow AI

2025 – Present

- Built a sandboxed coding agent and agentic workflows for a global law firm under strict data boundaries
- Owned the cost and latency tradeoffs on custom OCR: 95% cheaper, 75% faster than the prior path
- Build across harnesses — Claude Code, Codex, Droid, OpenCode, Ori

AI / Data Engineer · Pay Ready

2023 – 2025

- Built a general support agent harness that prompts and skills steer into new workflows
- Shipped a lease and contract extraction API on GPT-4 Vision: 250K+ documents, +25% accuracy
- Built the Slack RAG assistant teams used daily instead of a bought tool: 60% less manual effort, 75% faster retrieval

Scaled Tooling Analyst · Otter / CloudKitchens (now Atoms)

2022 – 2023

- Embedded with ops and engineering on internal tooling: Python pipelines scoring ~500GB/week
- Shipped a Jira ticketing chatbot from discovery to production: 30% faster resolution

Business Analyst · RealPage

2021 – 2022

- Built SQL models and dashboards for 75+ internal users; cut manual reporting 25%

OPEN SOURCE

LiteLLM — 50+ merged PRs on the LLM gateway

LangChain-Salesforce — Author of the official Salesforce (CRM) integration

Pydantic AI — Agent framework: xAI tools and model settings

SmolAgents — Hugging Face's lightweight agent framework

PROJECTS

Open Lease Audit — Streaming lease extraction and cross-portfolio integrity checks in TypeScript, with evidence and confidence per field.

openextract — Model-agnostic Python toolkit that turns PDFs, images, and text into typed, structured data. 1K+ PyPI downloads.

pdfmd — Zero-dependency Rust PDF-to-Markdown converter — parser, decoder, and heuristics end to end. ~4ms on a 17-page paper.

EDUCATION & CERTIFICATIONS

- RAG, LangChain, LangGraph, Semantic Search, DeepLearning.AI
- Azure Applied AI, Microsoft
- AWS Cloud Technical Essentials, Amazon
- Google Cloud Fundamentals, Google